

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	10796	((438/22-29) or (257/99,E33.056-E33.059, E33.066)).CCLS.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/14 10:10
L5	5635	L4 and @ad<"20040324"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:10
L7	31	5 and (adhesive with plating)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:11
L8	58	5 and (adhesive same plating)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:15
L10	27	8 not 7	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:15
L11	3	5 and ((ag near2 paste\$2) same plating)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:17
L13	40	5 and ((resin) same plating) and ((lead adj frame\$2) or leadframe\$2)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:21
L14	3	("438".clas. or "257".clas.) and @ad<"20040324" and (((adhesive) with plating) same (led or (light adj emitting))) and ((lead adj frame\$2) or leadframe\$2)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:27
L15	15	("438".clas. or "257".clas.) and @ad<"20040324" and (((adhesive) same plating) same (led or (light adj emitting))) and ((lead adj frame\$2) or leadframe\$2)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:31
L16	3	("438".clas. or "257".clas.) and @ad<"20040324" and (((adhesive) same plating) same (led or (light adj emitting))) and ((lead adj frame\$2) or leadframe\$2).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/14 10:31
S1	1	("20070278511").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 10:44
S2	328	ohno-eiji.in. or takahashi-syoichi.in. or kawamura-mikiyoshi.in. or yamamura-minoru.in. or tamaki-tadashi.in. or oba-hayato.in. or kagiwada-masataka.in. or takayama-hiroyuki.in. or teramura-kei.in. or ohtaka-atsushi.in. or morikawa-toshiaki.in.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:16

S3	8	\$2 and (leadframe\$3 or (lead adj frame\$3)).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:17
S4	21	("20020097579"   "20020185650"   "20030168720"   "20040075100"   "20050162808"   "20050236639"   "20060001055"   "20060017143"   "20060102918"   "20060226435"   "20070012940"   "5040868"   "5905301"   "6396131"   "6486543"   "6635954"   "6940704"   "7005325"   "7230280"   "7282785"   "7317181").PN. OR ("7595549").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/07 12:21
S5	8	("3914786"   "5962971"   "6650048"   "6680568").PN. OR ("6995510").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/07 12:25
S6	1	\$2 and (encapsulat\$4 and (LED or (light adj emitting))).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:27
S7	1	\$2 and (encapsulat\$4 and (LED\$2 or (light near3 emitting))).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:27
S8	13	\$2 and ((LED\$2 or (light near3 emitting))).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:28
S9	1	\$2 and (encapsulat\$4).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:28
S10	2	\$2 and (packag\$4).clm.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:29
S11	15	("20040046958"   "20040046958"   "20050014299"   "20050128487"   "20050128487"   "20050170661"   "20050206014"   "5384639"   "5392118"   "5624789"   "6190839"   "6303464"   "6500683"   "6500683"   "6645851"   "6693005"   "6715346"   "6986280").PN.	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:31
S12	1	("6909178").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 12:32
S14	15206	((438/25,26,106,111,123,124,127) or (257/99, E33.056-E33.059,E33.066)).CCLS.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 12:35
S15	406	438/26.ccls. and @ad<"20040324"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:35

S16	239	438/26.ccls. and @ad<"20040324" and (lead\$2 or leadframe\$4 or (lead adj (frame\$3 or finger \$4)))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:36
S17	85	438/26.ccls. and @ad<"20040324" and (lead\$2 or leadframe\$4 or (lead adj (frame\$3 or finger \$4))) and (encapsulat\$4)	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:36
S18	10	:257/E33.066.ccls. and @ad<"20040324"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:40
S19	321	S15 not S17	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 12:41
S20	6544	((438/25,26) or (257/99,E33.056-E33.059, E33.066)).CCLS.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 12:48
S21	1	("6995510 ").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 14:27
S22	8	("3914786"   "5962971"   "6650048"   "6680568").PN. OR ("6995510").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/07 14:28
S23	21	("20020097579"   "20020185650"   "20030168720"   "20040075100"   "20050162808"   "20050236639"   "20060001055"   "20060017143"   "20060102918"   "20060226435"   "20070012940"   "5040868"   "5905301"   "6396131"   "6486543"   "6635954"   "6940704"   "7005325"   "7230280"   "7282785"   "7317181").PN. OR ("7595549").URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/07 14:32
S24	40	("20020028527"   "20020072137"   "20020097579"   "20020158565"   "20020195935"   "20030168670"   "20030168720"   "20040026709"   "20040046242"   "20040075100"   "20040084681"   "20040094757"   "20040124758"   "20040257797"   "20050133810"   "20050162069"   "20050245018"   "4872765"   "5035483"   "5682066"   "5906459"   "5942770"   "5981979"   "6051848"   "6054716"   "6066861"   "6274890"   "6376902"   "6432745"   "6472765"   "6476930"   "6555958"   "6576930"   "6624491"   "6800373"   "6809471"   "6888864"   "6900511"   "6906459").PN. OR ("7436002"). URPN.	US- PGPUB; USPAT; USOCR	OR	ON	2010/01/07 14:55
S25	1	("20040188697").PN.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 15:00

S26	10759	((438/22-29) or (257/99,E33.056-E33.059, E33.066)).CCLS.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/07 15:09
S27	5635	S26 and @ad<"20040324"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 15:09
S29	75	S27 and ((mount\$4 or bond\$4 or adher\$4 or adhes\$4) with (leadframe\$4 or (lead adj (finger \$4 or frame\$4))) and ((concave\$2 or slit\$2 or recess\$2) with (adhesive or bond\$4 or adhesion or paste))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 17:14
S30	90	S27 and ((mount\$4 or bond\$4 or adher\$4 or adhes\$4) with (leadframe\$4 or (lead adj (finger \$4 or frame\$4))) and ((concave\$2 or slit\$2 or recess\$2 or groove\$2) with (adhesive or bond\$4 or adhesion or paste))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 17:29
S31	15	S30 not S29	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/07 17:29
S34	10759	((438/22-29) or (257/99,E33.056-E33.059, E33.066)).CCLS.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/11 11:43
S35	5635	S34 and @ad<"20040324"	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/11 11:43
S38	98	S35 and ((leadframe\$4 or (lead adj (finger\$4 or frame\$4))) with (concave\$2 or slit\$2 or recess\$2 or groove\$2))	US- PGPUB; USPAT; EPO; JPO	OR	ON	2010/01/11 12:10
S39	2	(09/988644).APP.	US- PGPUB; USPAT; EPO; JPO	OR	OFF	2010/01/11 15:13
S42	18	(US-20070278511-\$ or US-20060054912-\$ or US-20030107316-\$ or US-20060163705-\$ or US- 20050236639-\$ or US-20020195935-\$ or US- 20040188697-\$ or US-20040016908-\$ or US- 20020084518-\$).did. or (US-7595549-\$ or US- 6995510-\$ or US-6909178-\$ or US-6482664-\$ or US-7436002-\$ or US-7420216-\$ or US- 6274890-\$ or US-7518156-\$).did. or (JP- 05063242-\$).did.	US- PGPUB; USPAT; JPO	OR	ON	2010/01/11 15:56
S43	1	S42 and (AuSn or (gold near2 tin))	US- PGPUB; USPAT; JPO	OR	ON	2010/01/11 15:56
S44	233	S35 and (AuSn or (gold near2 tin))	US- PGPUB; USPAT; JPO	OR	ON	2010/01/11 15:57
S46	13	S35 and ((AuSn or (gold near2 tin)) with (plating or vapor\$4 or CVD or PVD))	US- PGPUB; USPAT; JPO	OR	ON	2010/01/11 15:59

S47	12	S35 and ((AuSn or (gold near2 tin)) with (adhesive)) and (lead\$5)	US- PGPUB; USPAT; JPO	OR	ON	2010/01/11 16:07
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1/14/2010 12:51:09 PM

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